

air-conditioning system to be connected to a high precision optical measurement system or to an environment chamber surrounding the same, such as, for example, a semiconductor manufacturing apparatus or an inspection or measuring apparatus.

Please substitute the following paragraph for the paragraph starting at page 4, line 2 and ending at line 14. A marked-up copy of this paragraph, showing the changes made thereto is attached.

Further, in the near future, a pattern of 0.1 micron linewidth will have to be formed by mass production, and a much stricter level of 40 - 25 nm will be required for the registration precision in an exposure apparatus. Also, 12-inch wafers will be used prevalently for an enhanced productivity, and in such case the largest measurement distance will be more than 400 mm. In consideration of enhancement of the required registration precision or enlargement of the measurement distance such as described above, for example, it is desirable to improve the temperature stability around the measurement light path much more, to a level of 0.01 °C, for example.

Please substitute the following paragraph for the paragraph starting at page 4, line 26 and ending at page 5, line 13. A marked-up copy of this paragraph, showing the changes made thereto is attached.

In accordance with an aspect of the present invention, there is provided an apparatus, comprising: a chamber having an inner space; and an air conditioner for controlling air supplied or to be supplied into the inner space of said chamber, said air conditioner including (i) a refrigerator using a refrigerant, (ii) a first heat exchanger for exchanging heat between the

refrigerant and a coolant, and (iii) a second heat exchanger for exchanging heat between air supplied or to be supplied into said chamber and the coolant; wherein the refrigerant is circulated between said refrigerator and said first heat exchanger, and wherein said coolant is circulated between said first and second heat exchangers

Please substitute the following paragraph for the paragraph starting at page 5, line 14 and ending at line 25. A marked-up copy of this paragraph, showing the changes made thereto is attached.

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A [A water, an anti-freeze, or a fluoride inert liquid, more specifically, a liquid having a large heat capacity such as a pure water, an ethylene glycol aqueous solution, or a PFC liquid, for example, may be used as a secondary refrigerant. In order to prevent an adverse influence of vibration of a refrigerator or the like upon an equipment inside a chamber, a refrigerator, a secondary refrigerant cooling heat exchanger, and a secondary refrigerant circulating means may be disposed in a casing, separate from the chamber, while an air heating means and an air cooling heat exchanger may be disposed adjacent the chamber.]

IN THE ABSTRACT:

Please substitute the following Abstract for the Abstract starting at page 24, line 2 and ending at line 14. A marked-up copy of this paragraph, showing the changes made thereto is attached.

A [An apparatus includes a chamber having an inner space and an air conditioner for controlling air supplied into the inner space. The air conditioner includes (i) a refrigerator using a refrigerant, (ii) a first heat exchanger for exchanging heat between the refrigerant and a